

Title (en)
HOT-ROLLED STEEL SHEET

Title (de)
WARMGEWALZTES STAHLBLECH

Title (fr)
TÔLE D'ACIER LAMINÉE À CHAUD

Publication
EP 4206344 A4 20231213 (EN)

Application
EP 21860926 A 20210615

Priority
• JP 2020143743 A 20200827
• JP 2021022677 W 20210615

Abstract (en)
[origin: EP4206344A1] This hot-rolled steel sheet has a predetermined chemical composition, in a microstructure, in terms of area%, residual austenite is less than 3.0%, ferrite is 15.0% or more and less than 60.0%, and pearlite is less than 5.0%, an E value that indicates periodicity of the microstructure is 10.7 or more, and an I value that indicates uniformity of the microstructure is less than 1.020, a standard deviation of a Mn concentration is 0.60 mass% or less, and a tensile strength is 980 MPa or more.

IPC 8 full level
C22C 38/00 (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/08** (2006.01); **C22C 38/10** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/32** (2006.01); **C22C 38/34** (2006.01); **C22C 38/38** (2006.01); **C22C 38/44** (2006.01); **C22C 38/60** (2006.01); **C21D 8/02** (2006.01)

CPC (source: EP KR US)
B21B 1/22 (2013.01 - KR); **C21D 1/84** (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0226** (2013.01 - KR US); **C21D 9/46** (2013.01 - KR US); **C22C 38/001** (2013.01 - US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/008** (2013.01 - US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - US); **C22C 38/08** (2013.01 - EP US); **C22C 38/10** (2013.01 - EP US); **C22C 38/12** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP US); **C22C 38/16** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP); **C22C 38/34** (2013.01 - EP KR); **C22C 38/38** (2013.01 - EP); **C22C 38/42** (2013.01 - KR); **C22C 38/44** (2013.01 - EP KR); **C22C 38/50** (2013.01 - US); **C22C 38/58** (2013.01 - KR); **C22C 38/60** (2013.01 - EP); **C21D 8/0205** (2013.01 - EP); **C21D 8/021** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP); **C21D 8/0263** (2013.01 - EP); **C21D 9/46** (2013.01 - EP); **C21D 2211/001** (2013.01 - KR US); **C21D 2211/005** (2013.01 - EP KR US); **C21D 2211/009** (2013.01 - KR US)

Citation (search report)
• [A] JP 2017150051 A 20170831 - JFE STEEL CORP
• [A] JP 2015160984 A 20150907 - JFE STEEL CORP
• [A] EP 3495523 A1 20190612 - KOBE STEEL LTD [JP]
• [A] JP 2007070661 A 20070322 - NIPPON STEEL CORP
• [A] WO 2020080553 A1 20200423 - NIPPON STEEL CORP [JP]
• See also references of WO 2022044495A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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